

Experiment Number: A48640

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Anthraquinone

CAS Number: 84-65-1

Date Report Requested: 09/17/2018

Time Report Requested: 03:32:58

**NTP Study Number:**

A48640

**Study Result:**

Negative

Experiment Number: A48640  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/17/2018  
Time Report Requested: 03:32:58

---

Strain: TA100		
Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	120 ± 4.6	102 ± 2.5
100.0	120 ± 3.5	111 ± 7.5
333.0	122 ± 2.3	112 ± 7.2
1000.0	125 ± 12.3 <sup>P</sup>	120 ± 7.8 <sup>P</sup>
3333.0	108 ± 6.2 <sup>P</sup>	111 ± 9.3 <sup>P</sup>
10000.0	130 ± 7.2 <sup>P</sup>	102 ± 15.7 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	639 ± 29.5	
Positive Control <sup>3</sup>		628 ± 12.7

Experiment Number: A48640  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/17/2018  
Time Report Requested: 03:32:58

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	12 ± 0.9	14 ± 1.5
100.0	11 ± 0.9	15 ± 0.3
333.0	13 ± 1.0	13 ± 1.3
1000.0	13 ± 2.0 <sup>P</sup>	20 ± 2.4 <sup>P</sup>
3333.0	12 ± 0.3 <sup>P</sup>	14 ± 1.2 <sup>P</sup>
10000.0	12 ± 1.5 <sup>P</sup>	15 ± 1.2 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>		282 ± 24.5
Positive Control <sup>5</sup>	106 ± 4.7	

Experiment Number: A48640  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/17/2018  
Time Report Requested: 03:32:58

---

Strain: TA102		
Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	261 ± 12.0	360 ± 22.1
100.0	264 ± 21.5	347 ± 11.3
333.0	277 ± 6.4	327 ± 15.1
1000.0	312 ± 9.4 <sup>P</sup>	291 ± 13.3 <sup>P</sup>
3333.0	295 ± 14.7 <sup>P</sup>	340 ± 6.6 <sup>P</sup>
10000.0	331 ± 26.8 <sup>P</sup>	335 ± 7.0 <sup>P</sup>
Trial Summary	Negative	Negative
Positive Control <sup>6</sup>		1449 ± 19.8
Positive Control <sup>7</sup>	1196 ± 26.7	

Experiment Number: A48640  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: Anthraquinone  
CAS Number: 84-65-1

Date Report Requested: 09/17/2018  
Time Report Requested: 03:32:58

#### LEGEND

---

Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Solvent

2: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

p: Precipitate

\*\* END OF REPORT \*\*